

**TABLE DOCUMENTATION**  
**Time Series Demographic Statistics**  
**(1970, 1980, 1990, and 2000)**

**TABLE OF CONTENTS**

- 1. DATASET IDENTIFICATION
- 2. INVESTIGATOR INFORMATION
- 3. DATASET ABSTRACT
- 4. OBJECTIVES AND INTRODUCTION
- 5. DATA ACQUISITION AND PROCESSING METHODS
- 6. DATA MANIPULATIONS
- 7. DATA DESCRIPTION
- 8. GEOGRAPHIC AND SPATIAL INFORMATION
- 9. QUALITY CONTROL AND QUALITY ASSURANCE
- 10. DATA ACCESS AND DISTRIBUTION
- 11. REFERENCES
- 12. TABLE OF ACRONYMS
- 13. PERSONNEL INFORMATION

**1. DATASET IDENTIFICATION**

1.1 Title of Catalog document

Time Series Demographic Statistics (1970, 1980, 1990, and 2000)

1.2 Authors of the Catalog entry

Percy A. Pacheco

Sarah A. O'Connor

1.3 Catalog revision date

March 15, 2004

1.4 Dataset names

TSDS data aggregated by block group

tsds\_bg1970, tsds\_bg1980, tsds\_bg1990, tsds\_bg2000

TSDS data aggregated by county: tsds\_cnty\_v

TSDS data aggregated by state: tsds\_st\_v

TSDS data aggregated by NOAA's Coastal Watersheds: tsds\_eda\_v

TSDS data aggregated by USGS Hydrologic Cataloging Unit: tsds\_huc\_v

1.5 Task Group

NOS, Special Projects – Socioeconomic Trends Project

1.6 Dataset identification code

001

1.7 Version

001

#### 1.8 Request for Acknowledgment

NOAA requests that all individuals who download Socioeconomic data acknowledge the source of these data in any reports, papers, or presentations. If you publish these data, please include a statement similar to: "Some or all of the data described in this article were produced by the U.S. National Oceanic and Atmospheric Administration through the National Ocean Service (NOS)' Special Project (SP) Office".

## 2. INVESTIGATOR INFORMATION (for full addresses see Section 13)

#### 2.1 Principal Investigators

Percy A. Pacheco, Project Leader, National Oceanic and Atmospheric Administration (NOAA), Special Projects (SP) Office.

Peter Wiley, National Oceanic and Atmospheric Administration (NOAA), Special Projects (SP) Office.

#### 2.2 Sample Collection Investigators

N/A

#### 2.3 Sample Processing Investigators

N/A

## 3. DATASET ABSTRACT

#### 3.1 Abstract of the Dataset

The Time Series Demographic Statistics information (TSDS) (1970, 1980, 1990, and 2000) has been derived from Census Block Group Data common to all four-decadal censuses. TSDS information covers the following general areas, population, age, structures, racial and ethnic composition, income distributions, employment, educational attainment, and residential mobility. All data files are referenced to NOAA's Coastal Assessment Framework. The data are available for five distinct spatial aggregations: Census Block Group, County, State, NOAA's Coastal Watershed, and USGS 8-digit Hydrologic Cataloging Unit.

#### 3.2 Keywords for the Dataset

socioeconomic, economic, population, age, racial and ethnic compositions, income distribution, time series demographic, block group, coastal economics

## 4. OBJECTIVES AND INTRODUCTION

#### 4.1 Program Objective

Special Projects (SP) is one of seven Divisions within the Office of Management and Budget of the National Ocean Service (NOS). The mission of Special Projects is to promote the NOS coastal stewardship mission by providing NOS and its partners with integrated approaches to planning and management, a national assessment capability complimentary to other NOS programs, and an innovative program of information synthesis and dissemination.

#### 4.2 Dataset Objective

Many of the goals of those involved in coastal management and policy include finding the balance in the coexistence of natural ecosystems and human society, therefore a complete picture of the geographic patterns of human activity and its relationship to the coastal environment is needed. The Time Series Demographic Statistics information (1970, 1980, 1990, 2000) had been derived from Census Data common to all four-decade censuses. The purpose of the time series demographic statistics data files is to provide users with socio-demographic information such as population, age, structures, racial and ethnic composition, income contributions, and residential mobility in a format that facilitates comparisons across time and space.

#### 4.3 Background Discussion

The sources of the information are:

1970 Census data were provided by:

Center for Electronic Records (NWME)  
The National Archives at College Park  
8601 Adelphi Rd.  
College Park, MD 20740-6001  
Telephone: 301-713-6645  
Web Site: <http://www.archives.gov/>

1980 Census data were provided by:

U.S. Bureau of the Census  
Geographic Division  
Geospatial Research and Standards Staff  
Washington, DC 20233  
Telephone: 301-457-1056  
Web Site: <http://www.census.gov/>

1990 Census data were provided by:

CensusCD 1990 CD-ROM  
Geolytics, Inc.  
P.O. Box 10  
East Brunswick, New Jersey 08816  
Telephone: 1-800-577-6717  
Email: [support@geolytics.com](mailto:support@geolytics.com)

2000 Census data were provided by

CensusCD 2000 – Long Form SF3, Release 2.1  
Geolytics, Inc.  
P.O. Box 10  
East Brunswick, New Jersey 08816  
Telephone: 1-800-577-6717  
Email: [support@geolytics.com](mailto:support@geolytics.com)

#### 4.4 Summary of Dataset Parameters

The U.S. Census Bureau provides data for a range of geographic types from the United States down to a Census Block. A detailed description of Census geography terminology can be obtained from the U.S. Census Bureau web site (American Factfinder - [http://factfinder.census.gov/home/en/epss/glossary\\_a.html](http://factfinder.census.gov/home/en/epss/glossary_a.html)). The standard hierarchy of Census Geographies entities can be found at: <http://www.census.gov/geo/www/geodiagram.pdf>

The different coastal county definitions can be accessed at:

[http://www8.nos.noaa.gov/socioeconomics/download/metadata/coastal\\_county\\_definitions.pdf](http://www8.nos.noaa.gov/socioeconomics/download/metadata/coastal_county_definitions.pdf)

The common variables that are available for the data aggregated by Census Block Group, county, state, NOAA's Coastal Watershed, and USGS 8-digit Hydrologic Cataloging Unit are shown below.

Field Name	Description/Long Name	Definitions/Contents	Units
c_popul	Total Population	Total Population	persons
c_urban	Urban Population	Urban Population	persons
c_nurbn	Nonurban Population	Nonurban Population	persons
c_rfar	Rural-no farm population	Rural no farm population	persons
c_rfarm	Rural-farm population	Rural farm population	persons
c_white	Race Population	White Population	persons
c_black	Race Population	Black Population	persons
c_other	Race Population	Other Population	persons
c_engli	Household Language and Linguistic Isolation Population	English Language Population	persons 5 years and over
c_spani	Household Language and Linguistic Isolation Population	Spanish Language Population	persons 5 years and over
c_hloth	Household Language and Linguistic Isolation Population	Other Language Population	persons 5 years and over
c_age1	Age Population	Persons Under 2 Years	persons
c_age2	Age Population	Persons 3 to 4 Years	persons
c_age3	Age Population	Persons 5 Years	persons
c_age4	Age Population	Persons 6 Years	persons
c_age5	Age Population	Persons 7 to 9 Years	persons
c_age6	Age Population	Persons 10 to 13 Years	persons
c_age7	Age Population	Persons 14 Years	persons
c_age8	Age Population	Persons 15 Years	persons
c_age9	Age Population	Persons 16 Years	persons
c_age10	Age Population	Persons 17 Years	persons
c_age11	Age Population	Persons 18 Years	persons
c_age12	Age Population	Persons 19 Years	persons
c_age13	Age Population	Persons 20 Years	persons
c_age14	Age Population	Persons 21 Years	persons
c_age15	Age Population	Persons 22 to 24 Years	persons
c_age16	Age Population	Persons 25 to 34 Years	persons
c_age17	Age Population	Persons 35 to 44 Years	persons
c_age18	Age Population	Persons 45 to 54 Years	persons
c_age19	Age Population	Persons 55 to 59 Years	persons
c_age20	Age Population	Persons 60 to 61 Years	persons
c_age21	Age Population	Persons 62 to 64 Years	persons

c_age22	Age Population	Persons 65 to 74 Years	persons
c_age23	Age Population	Persons 75 and over Years	persons
c_male	Sex	Male Population	persons
c_fema	Sex	Female Population	persons
c_fi1	Family Income	Family Income less than \$9,999	families
c_fi2	Family Income	Family Income \$10,000 to \$14,999	families
c_fi3	Family Income	Family Income \$15,000 to \$24,999	families
c_fi4	Family Income	Family Income \$25,000 to \$49,999	families
c_fi5	Family Income	Family Income \$50,000 and over	families
c_ncoll	School Enrollment and Type of School	Persons in no college (enrolled in nursery, kindergarten, elementary and high school)	persons 3 years and over enrolled in school
c_colle	School Enrollment and Type of School	Persons in college	persons 3 years and over enrolled in school
c_educ1	Education Attainment	Persons less than 12 <sup>th</sup> grade	persons 25 years and over
c_educ2	Education Attainment	Persons high school graduate	persons 25 years and over
c_educ3	Education Attainment	Persons college 1 to 3 years (some, college, associate degree)	persons 25 years and over
c_educ4	Education Attainment	Persons college 4 years or more (bachelors or graduate degree)	persons 25 years and over
c_occu1	Occupation	Professional, technical and kindred workers (professional and specialty, technical and related support)	employed persons 16 years and over
c_occu2	Occupation	Executive-administrative-managerial (farmers and farm managers, managers, off. and proprietors)	employed persons 16 years and over
c_occu3	Occupation	Clerical and kindred workers (administrative support, including clerical)	employed persons 16 years and over
c_occu4	Occupation	Sales workers	employed persons 16 years and over
c_occu5	Occupation	Craftsmen, foremen, and kindred workers (precision production-craft repair)	employed persons 16 years and over
c_occu6	Occupation	Operative and kindred workers (machine operators-assemblers-inspectors)	employed persons 16 years and over
c_occu7	Occupation	Service workers including private household (private household service, protective service, other service)	employed persons 16 years and over
c_occu8	Occupation	Farm Laborers and farm foremen (farming-forestry-fishing)	employed persons 16 years and over

c_occu9	Occupation	Laborers except farm and mine (transportation and material moving)	employed persons 16 years and over
c_indu1	Industry	Construction	employed persons 16 years and over
c_indu2	Industry	Manufacturing of non-durable goods plus Manufacturing of durable goods	employed persons 16 years and over
c_indu3	Industry	Transportation	employed persons 16 years and over
c_indu4	Industry	Communications and other public utilities	employed persons 16 years and over
c_indu5	Industry	Wholesale and retail trade	employed persons 16 years and over
c_indu6	Industry	Finance, insurance, business, and repair	employed persons 16 years and over
c_indu7	Industry	Other professional and related services	employed persons 16 years and over
c_indu8	Industry	Educational services	employed persons 16 years and over
c_indu9	Industry	Public administration	employed persons 16 years and over
c_indu10	Industry	Other industries	employed persons 16 years and over
c_above	Poverty Status	Above poverty line	persons for whom poverty status is determined
c_below	Poverty Status	Below poverty line	persons for whom poverty status is determined
c_nativ	Nativity and Parentage	Native of native or foreign patens	persons in family households
c_forei	Nativity and Parentage	Foreign born	persons
c_fhous	Relationship	Family housing	persons
c_gquar	Relationship	Group quarters	persons
c_allfa	Family type	All other families	families
c_fawfh	Family type	Families with female head	families with female head
c_m14yr	Population 14 years old and over	Male	persons 14 years and over

c_f14yr	Population 14 years old and over	Female	persons 14 years and over
c_shous	Residence 5 years old and over (1965 or 1975 or 1985 or 1995)	Same house	persons 5 years and over
c_dhous	Residence 5 years old and over (1965 or 1975 or 1985 or 1995)	Different house	persons 5 years and over
c_abroa	Residence 5 years old and over (1965 or 1975 or 1985 or 1995)	Abroad	persons 5 years and over
c_mlfors	Labor force by sex	Males in labor force	persons 16 years and over
c_mnlfo	Labor force by sex	Males not in labor force	persons 16 years and over
c_flfor	Labor force by sex	Females in labor force	persons 16 years and over
c_fnflo	Labor force by sex	Females not in labor force	persons 16 years and over
c_fhabo	Families with female head & children under 18	Above poverty level	families with female head
c_fhbel	Families with female head & children under 18	Below poverty level	families with female head
c_fabov	Families by poverty status & children under 18	Above poverty level	families
c_fbelo	Families by poverty status & children under 18	Below poverty level	families
c_owner	Tenure	Owner occupied	occupied housing units
c_rente	Tenure	Renter occupied	occupied housing units
c_tstr1	Type of structure and tenure	Tenure in 1-unit structure	housing units
c_tstr2	Type of structure and tenure	Tenure in 2-unit structure	housing units
c_tstr3	Type of structure and tenure	Tenure in 3-4 unit structure	housing units
c_tstr4	Type of structure and tenure	Tenure in 5 or more-unit structure	housing units
c_tstr5	Type of structure and tenure	Tenure in mobile homes, trailers, others	housing units
c_gren1	Gross rent	Monthly gross rent < \$100	renter-occupied units
c_gren2	Gross rent	Monthly gross rent \$100-\$199	renter-occupied units
c_gren3	Gross rent	Monthly gross rent \$200-\$299	renter-occupied units
c_gren4	Gross rent	Monthly gross rent > \$300	renter-occupied units
c_gren5	Gross rent	Monthly gross rent (no cash rent)	renter-occupied units
c_tele1	Telephone available and tenure	Owner occupied, telephone available	occupied housing units
c_tele2	Telephone available and tenure	Owner occupied, telephone not available	occupied housing units
c_tele3	Telephone available and tenure	Renter occupied, telephone available	occupied housing units

c_tele4	Telephone available and tenure	Renter occupied, telephone not available	occupied housing units
c_auto1	Automobiles available	Total occupied-1 automobile	occupied housing units with vehicle available
c_auto2	Automobiles available	Total occupied-2 automobile	occupied housing units with vehicle available
c_auto3	Automobiles available	Total occupied-3 or more automobiles	occupied housing units with vehicle available
c_heat1	Heating fuel	Utility gas	occupied housing units
c_heat2	Heating fuel	Bottle, tank, or LP gas	occupied housing units
c_heat3	Heating fuel	Electricity	occupied housing units
c_heat4	Heating fuel	Others	occupied housing units
c_heat5	Heating fuel	No fuel used	occupied housing units
h0340002	Year structure built (2000 census data only)	Built 1999 to March 2000	housing units
h0340003	Year structure built (2000 census data only)	Built 1995 to 1998	housing units
h0340004	Year structure built (2000 census data only)	Built 1990 to 1994	housing units
h0340005	Year structure built (2000 census data only)	Built 1980 to 1989	housing units
h0340006	Year structure built (2000 census data only)	Built 1970 to 1979	housing units
h0340007	Year structure built (2000 census data only)	Built 1960 to 1969	housing units
h0340008	Year structure built (2000 census data only)	Built 1950 to 1959	housing units
h0340009	Year structure built (2000 census data only)	Built 1940 to 1949	housing units
h0340010	Year structure built (2000 census data only)	Built 1939 or earlier	housing units

#### 1970 Census Block Group Variables

Field Name	Description/Long Name	Definitions/Contents	Units
cens70id	Census Block Group Identifier	Census Block Group Identifier	
state70	State	State	
cnty70	County	County	
place	Place	Place	
tract_b	Tract (Basic)	Tract (Basic)	
tract_s	Tract (Suffix)	Tract (Suffix)	



bg	Block Group	Block Group	
ed_b	Enumeration District (Basic)	Enumeration District (Basic)	
ed_s	Enumeration District (Suffix)	Enumeration District (Suffix)	
lat1	Block Group Centroid Latitude	Block Group Centroid Latitude	Degrees Decimal
long1	Block Group Centroid Longitude	Block Group Centroid Longitude	Degrees Decimal
llsrce	Latitude/longitude source code	Latitude/longitude source code	
ll_flag	Latitude/longitude quality control flag code	Latitude/longitude quality control flag code	
fips	FIPS Code	Federal Information Processing Standard (FIPS) Code (2-digit state & 3-digit county)	
unique	CAF unique code	Unique in the CAF is the intersection area of an 8-digit Hydrologic Cataloging Unit and Estuarine area.	
esasubeda	Sub-watershed EDA/CDA/FDA Code	Sub-watershed EDA/CDA/FDA code	
dr_code	EDA/FDA flag	EDA/FDA flag	
huc	HUC code	8-Digit USGS Hydrologic Cataloging Unit Code	
ST_ABBR	State Abbreviation	State Abbreviation	
DIVISIONCD	Division Code	Census Division Code	
REGIONCD	Region Code	Census Region Code	

1980 Census Block Group variables

Field Name	Description/Long Name	Definitions/Contents	Units
cens80id	Census Block Group Identifier	Census Block Group Identifier	
state	Geographic Hierarchy	State	
county	Geographic Hierarchy	County	
place	Geographic Hierarchy	Place	
tractbna	Geographic Hierarchy	Census Tract/Block Numbering Area	
bg	Geographic Hierarchy	Block Group	
ed_code	Geographic Hierarchy	Enumeration District	
Lat_dd	Coordinates	Latitude in decimal degrees	decimal degrees
Lon_dd	Coordinates	Longitude in decimal degrees	decimal degrees
llsrce	Latitude/longitude	Latitude/longitude source code	
ll_flag	Latitude/longitude quality control flag code	Latitude/longitude quality control flag code	
fips	FIPS Code	Federal Information Processing Standard (FIPS) Code (2-digit state & 3-digit county)	
unique	CAF Unique Code	Unique in the CAF is the intersection area of an 8-digit Hydrologic Cataloging Unit and Estuarine area.	
edasubeda	Sub-watershed EDA/CDA/FDA code	Sub-watershed EDA/CDA/FDA code	

dr_code	EDA/FDA Code	Drainage Code indicating unique is in an EDA, FDA, or Interior drainage area	
huc	HUC Code	8-digit USGS Hydrologic Cataloging Unit Code	
ST_ABBR	State Abbreviation	State Abbreviation	
DIVISIONCD	Census Division Code	Census Division Code	
REGIONCD	Census Region Code	Census Region Code	

#### 1990 Census Block Group Variables

Field Name	Description/Long Name	Definitions/Contents	Units
AREAKEY	Census Block Group Identifier	Census Block Group Identifier	
INTPTLAT	Block Group Centroid Latitude	Block Group Centroid Latitude	Decimal Degrees
INTPTLNG	Block Group Centroid Longitude	Block Group Centroid Longitude	Decimal Degrees
STUSAB	State Abbreviation	State Abbreviation	
FIPS	FIPS code	Federal Information Processing Standard (FIPS) Code (2-digit state & 3-digit county)	
UNIQUE	CAF Unique code	Unique in the CAF is the intersection area of an 8-digit Hydrologic Cataloging Unit and Estuarine area.	
EDASUBEDA	Sub-watershed EDA/CDA/FDA code	Sub-watershed EDA/CDA/FDA Code	
DR_CODE		Drainage Code indicating unique is in an EDA, FDA, or Interior	
HUC	HUC Code	8-digit USGS Hydrologic Cataloging Unit Code	
REGION	Region Code	NOAA Coastal Assessment Region; (N = North Atlantic, M = Mid-Atlantic, S = South Atlantic, G= Gulf of Mexico, P = Pacific, L = Great Lakes, U = Interior, X = International)	
AREALAND	Area Land (0.001 Square kilometers)(NOAA)	NOAA's CAF Area Land (0.001 Square Kilometers)	0.001Km2
AREAWAT	Area Water (0.001 Square Kilometers)(NOAA)	NOAA's CAF Area Water (0.001 Square Kilometers)	0.001 Km2
ST_ABBR	State Abbreviation	State Abbreviation	
DIVISIONCD	Census Division Code	Census Division Code	
REGIONCD	Census Region Code	Census Region Code	

#### 2000 Census Block Group Variables

Field Name	Description/Long Name	Definitions/Contents	Units
AREAKEY	Block Group Unique Identifier	Block Group Unique Identifier Code (2-digit state FIPS, 3-digit county FIPS, 6-digit Tract number, 1-digit block group number)	
ST_FIPS	State FIPS code	The 2-digit Federal Information Processing Standard Code for each Sate	
CNTY_FIPS	County FIPS Code	The 3-digit Federal Information Processing Standard Code for each County	
TRACT	Tract Number	Census Tract Number	
BKG	Block Group Number	Block Group Number – unique value for each block group within a given census tract	

YEAR	Year 2000	Year 2000	
ST_ABBR	State Abbreviation Code	The 2-character USPS State Abbreviation Code	
CNTY_STATE	County Name and State Abbreviation	County Name and State Abbreviation	
SQMI2000	Block Group Area	Block Group Area in square miles for the year 2000	sqmi

The variables that occur only within the data aggregated by County are shown below.

Field Name	Description/Long Name	Definitions/Contents	Units
FIPS	FIPS code	Federal Information Processing Standard (FIPS) Code (2-digit state & 3-digit county)	
CTYSTATE	County Name and State abbreviation	County Name and State Abbreviation	
CTYCOAST	Coastal (C) or Non-coastal (N) County	Coastal or Non-coastal County Code: C= Coastal County; N=Noncoastal County	
SQMI2000	County Area	County Area in Square Miles in year 2000	sqmi
ST_ABBR	State Abbreviation Code	The 2 digits USPS State Abbreviation Code	
DIVISIONCD	Division Code	Census Division Code	
REGIONCD	Region Code	Census Region Code	

The variables that occur only within the data aggregated by State are shown below.

Field Name	Description/Long Name	Definitions/Contents	Units
ST_FIPS	ST_FIPS	The two-digit Federal Information Processing Standard (FIPS) code for each state in the US.	
ST_ABBR	State Abbreviation Code	The 2 digits USPS State Abbreviation Code	
ST_NAME	State Name	State Name	
SQMI2000	State Area	State Area in Square Miles in year 2000	sqmi
DIVISIONCD	Division Code	Census Division Code	
REGIONCD	Region Code	Census Region Code	

The variables that occur only within the data aggregated by NOAA's coastal watershed are shown below.

Field Name	Description/Long Name	Definitions/Contents	Units
EDASUBEDA	EDASUBEDA Code	EDA/CDA/FDA Watershed Code	
SUB_NAME	EDASUBEDA Name	EDASUBEDA Sub-System Name	
EDACODE	Watershed Code	4-digit Watershed Code (no subsystems)	
EDA_NAME	Watershed Name	Watershed Name (no subsystems)	
LEDASQMI	EDA Land Area	EDA Land Area in Square Miles	sqmi
LFDASQMI	FDA Land Area	FDA Land Area in Square Miles	sqmi
T_Land	Total Watershed Land Area	Total Watershed Land Area in Square Miles	sqmi

REGION	Region Code	NOAA Coastal Assessment Region; (N = North Atlantic, M = Mid-Atlantic, S = South Atlantic, G = Gulf of Mexico, P = Pacific, L = Great Lakes, U = Interior, X = International)	
--------	-------------	---	--

The variables that occur only within the data aggregated by USGS Hydrologic Cataloging Unit are shown below.

Field Name	Description/Long Name	Definitions/Contents	Units
HUC	8-Digit USGS Cataloging Unit	8-Digit USGS Cataloging Unit (numeric field)	
HHUC	8-Digit USGS Cataloging Unit Code	8-Digit USGS Cataloging Unit (character field)	
HUC_NAME	8-Digit USGS Cataloging Unit Name	8-Digit USGS Cataloging Unit Name	
USGSSQMI	USGS Cataloging Unit Area	USGS Cataloging Unit Area in Square Miles	sqmi
ACC_UNIT	USGS Accounting Unit code	Accounting Unit code (6 first digits of HUC)	
SUBREGION	USGS Sub-region code	Sub-region Code (4 first digits of HUC)	
REGIONUSGS	USGS Region code	Water Resource Region Code (2 first digits of HUC)	

## 5. DATA ACQUISITION AND PROCESSING METHODS

### 5.1 Data Acquisition / Field Sampling

N/A

#### 5.1.1 Sampling Objective

N/A

#### 5.1.2 Sample Collection: Methods Summary

N/A

#### 5.1.3 Beginning Sampling Date

N/A

#### 5.1.4 Ending Sampling Dates

N/A

#### 5.1.5 Sampling Platform

N/A

#### 5.1.6 Sampling Equipment

N/A

#### 5.1.7 Manufacturer of Sampling Equipment

N/A

#### 5.1.8 Key Variables

N/A

#### 5.1.9 Sample Collection: Methods Calibration

N/A

#### 5.1.10 Sample Collection: Quality Control

N/A

#### 5.1.11 Sample Collection: References

N/A

#### 5.1.12 Sample Collection: Alternate Methods

N/A

### 5.2 Data Preparation and Sample Processing

N/A

#### 5.2.1 Sample Processing Objective

N/A

#### 5.2.3 Sample Processing: Methods Calibration

N/A

#### 5.2.4 Sample Processing: Quality Control

N/A

#### 5.2.5 Sample Processing: References

N/A

#### 5.2.6 Sample Processing: Alternate Methods

N/A

## 6. DATA ANALYSIS AND MANIPULATIONS

### 6.1 Name of New or Modified Values

N/A

### 6.2 Data Manipulation: Description

Georeferenced population points estimates were reported by Census Block Group and/or Enumeration Districts. The points were imported into a GIS system for quality control purposes and watershed assignments. Estimates were assigned watershed attributes through a GIS overlay operation with NOAA's Coastal Assessment Framework (CAF). The demographic variables data were then summarized by NOAA's unique code, USGS 8-digit Hydrologic Cataloging Unit (HUC) code and Watershed (EDA, CDA, FDA) codes). Unique in the CAF is the intersection area of an 8-Digit Cataloging Unit and Estuarine areas. County level estimates were obtained by summarizing the demographic variables by the existent 5-digit FIPS code associated to each Census Block Group point data. Flag variables were created to inform the user that a number of points fall either outside of the county the point is supposed to be or on water.

To obtain the Time Series Demographic Statistic file (1970, 1980, 1990, and 2000) only the variables common to all four census years were obtained from each individual census file. The only exception to this is the "Year Structure was Built" variable from the 2000 census is included within these data.

For a complete description of the procedures and census variables used in this study see the U.S. Census Data Calculations detailed project file at:  
[http://www8.nos.noaa.gov/socioeconomics/download/metadata/census\\_detailed\\_description.html](http://www8.nos.noaa.gov/socioeconomics/download/metadata/census_detailed_description.html)

## 7. DATA DESCRIPTION

### 7.1 Description of Parameters

Please refer to section 4.4.

#### 7.1.1 Components of the Dataset

Please refer to section 4.4.

#### 7.1.2 Precision of Reported Values

Please refer to section 4.4.

#### 7.1.3 Minimum Value in Dataset

The data varies per socio demographic variable

#### 7.1.4 Maximum Value in Dataset

The data varies per socio demographic variable

#### 7.2 Data Record Example

N/A

##### 7.2.1 Column Names for Example Records

Please refer to section 4.4.

##### 7.2.2 Examples of Data Records

Please refer to section 4.4

### **8. GEOGRAPHIC AND SPATIAL INFORMATION**

#### 8.1 Minimum Longitude (Westernmost)

-178.22

#### 8.2 Maximum Longitude (Easternmost)

-66.97

#### 8.3 Minimum Latitude (Southernmost)

18.92

#### 8.4 Maximum Latitude (Northernmost)

71.41

#### 8.5 Name of Region

United States

### **9. QUALITY CONTROL AND QUALITY ASSURANCE**

#### 9.1 Measurement Quality Objectives

These data are reported in a separate file.

#### 9.2 Data Quality Assurance Procedures

These data are reported in a separate file.

#### 9.3 Actual Measurement Quality

The following variables for the 1980 Census were obtained from the Geolytics CD due to problems with the accuracy of the 1980 source data obtained from the Census Bureau: Nativity and Parentage (c80nativ, c80forei), and Type of Structure and Tenure (c80tstr1, c80tstr2, c80tstr3, c80tstr4, c80tstr5).

The total count of families for the 1980 variable Family Income (c80fi1, c80fi2, c80fi3, c80fi4, c80fi5) does not equal the reported 1980 total number of families reported elsewhere in this project.

## **10. DATA ACCESS**

### **10.1 Data Access Procedures**

Data can be downloaded from the web at

<http://www8.nos.noaa.gov/socioeconomics/download/demographics.aspx>

### **10.2 Data Access Restrictions**

None

### **10.3 Data Access Contact Persons**

Percy A. Pacheco, NOAA/NOS/MB/SP  
301-713-3000, Percy.Pacheco@noaa.gov

### **10.4 Dataset Format**

ASCII (tab delimited) and XML files

### **10.5 Information Concerning Anonymous FTP**

Not available

### **10.6 Information Concerning WWW**

See Section 10.1 for WWW access

### **10.7 CD-ROM Containing the Dataset**

Spatial Patterns of Socioeconomic Data from 1970 to 2000. A national research dataset aggregated by watershed and political boundaries.

## **11. REFERENCES**

N/A

## **12. TABLE OF ACRONYMS**

CAF	NOAA's Coastal Assessment Framework
CDA	Coastal Drainage Area
EDA	Estuarine Drainage Area
FDA	Fluvial Drainage Area
FIPS	Federal Information Processing Standard
HUC	USGS Hydrologic Cataloging Unit
MB	Management and Budget Office
NOAA	National Oceanic and Atmospheric Administration
NOS	National Ocean Service
SAS	Statistical Analysis System (software)
SP	Special Projects
QA/QC	Quality Assurance/Quality Control
TSDS	Time Series Demographic Statistics
USGS	United States Geological Survey
USPS	United States Postal Service
WWW	World Wide Web

## **13. PERSONNEL INFORMATION**

Percy A. Pacheco, Project Lead  
NOAA/NOS/MB/Special Projects

1305 East West Highway, 9<sup>th</sup> Floor SSMC4, Silver Spring, MD 20910-3281  
301-713-3000, 301-713-4384 (FAX), [Percy.Pacheco@noaa.gov](mailto:Percy.Pacheco@noaa.gov)

Peter Wiley  
NOAA/NOS/MB/Special Projects  
1305 East West Highway, 9<sup>th</sup> Floor SSMC4, Silver Spring, MD 20910-3281  
301-713-3000, 301-713-4384 (FAX), [Peter.Wiley@noaa.gov](mailto:Peter.Wiley@noaa.gov)

Bob Leeworthy  
NOAA/NOS/MB/Special Projects  
1305 East West Highway, 9<sup>th</sup> Floor SSMC4, Silver Spring, MD 20910-3281  
301-713-3000, 301-713-4384 (FAX), [Bob.Leeworthy@noaa.gov](mailto:Bob.Leeworthy@noaa.gov)